

**AKROMID® A28 LGF 50 9 black (7705)**

PA66-GF50

Akro-Plastic GmbH

<b>Processing/Physical Characteristics</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Molding shrinkage, parallel	<b>0.4 / *</b>	%	ISO 294-4, 2577
Molding shrinkage, normal	<b>0.7 / *</b>	%	ISO 294-4, 2577

<b>Mechanical properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	<b>18000 / 14200</b>	MPa	ISO 527
Stress at break	<b>270 / 210</b>	MPa	ISO 527
Strain at break	<b>2 / 2.2</b>	%	ISO 527
Charpy impact strength, +23°C	<b>95 / 100</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	<b>45 / 45</b>	kJ/m <sup>2</sup>	ISO 179/1eA
Izod impact strength, +23°C	<b>90 / -</b>	kJ/m <sup>2</sup>	ISO 180/1U

<b>Thermal properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melting temperature, 10°C/min	<b>262 / *</b>	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	<b>260 / *</b>	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	<b>25 / *</b>	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	<b>75 / *</b>	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	<b>HB / *</b>	class	IEC 60695-11-10
Thickness tested	<b>1.6 / *</b>	mm	-

<b>Other properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1570 / -</b>	kg/m <sup>3</sup>	ISO 1183

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Melt temperature	<b>320</b>	°C	-
Mold temperature	<b>100</b>	°C	-
Injection pressure	<b>75</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Features**

Fatigue Resistance, Long fiber reinforced

**Delivery form**

Black

**Applications**

Automotive

**Special Characteristics**

High impact or impact modified, Heat stabilized or stable to heat

**Regional Availability**

Europe, Asia Pacific